



Figure 6.

A.

**SEQ ID NO:1. Human WIP1 DNA sequence:** The GenBank accession number for WIP1 is NM\_003620.

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                                atggcg   ggctgtactc   gctgggagt   agcgtcttct
38  ccgaccaggg   cgggaggaag   tacatggagg   acgttactca   aatcgttgtg   gagcccgaac
98  cgacggctga   agaaaagccc   tcgccgcggc   ggtcgctgtc   tcagccgttg   cctccgcggc
158 cgtcgccggc   cgcccttccc   ggcggcgaag   tctcggggaa   aggcccagcg   gtggcagccc
218 gagaggctcg   cgaccctctc   ccggacgcgc   gggcctcgcc   ggcacctagc   cgctgctgcc
278 gccgcggttc   ctccgtggcc   tttttcgccg   tgtgcgacgg   gcacggcggg   cgggagggcg
338 cacagtttgc   ccgggagcac   ttgtgggggt   tcatcaagaa   gcagaagggt   ttcacctcgt
398 ccgagccggc   taaggtttgc   gctgccatcc   gcaaaggctt   tctcgcttgt   caccttgcca
458 tgtggaagaa   actggcgga   tggccaaaga   ctatgacggg   tcttcctagc   acatcaggga
518 caactgccag   tgtggtcatc   attcggggca   tgaagatgta   tgtagctcac   gtaggtgact
578 caggggtggt   tcttggaatt   caggatgacc   cgaaggatga   ctttgtcaga   gctgtggagg
638 tgacacagga   ccataagcca   gaacttcca   aggaaagaga   acgaatcgaa   ggacttggtg
698 ggagtgtaat   gaacaagtct   ggggtgaatc   gtgtagtttg   gaaacgacct   cgactcactc
758 acaatggacc   tgtagaagg   agcacagtta   ttgaccagat   tccttttctg   gcagtagcaa
818 gagcacttgg   tgatttgtgg   agctatgatt   tcttcagtgg   tgaatttgtg   gtgtcacctg
878 aaccagacac   aagtgtccac   actcttgacc   ctcaagaagca   caagtatatatt   atattgggga
938 gtgatggact   ttggaatatg   attccaccac   aagatgccat   ctcaatgtgc   caggaccaag
998 aggagaaaaa   atacctgatg   ggtgagcatg   gacaatcttg   tgccaaaatg   cttgtgaatc
1058 gagcattggg   ccgctggagg   cagcgtatgc   tccgagcaga   taacactagt   gccatagtaa
1118 tctgcatctc   tccagaagtg   gacaatcagg   gaaactttac   caatgaagat   gagttatacc
1178 tgaacctgac   tgacagccct   tcctataata   gtcaagaaac   ctgtgtgatg   actccttccc
1238 catgttctac   accaccagtc   aagtcaactg   aggaggatcc   atggccaagg   gtgaattcta
1298 aggaccatat   acctgccctg   gttcgtagca   atgccttctc   agagaatttt   ttagagggtt
1358 cagctgagat   agctcgagag   aatgtccaag   gtgtagtcac   accctcaaaa   gatccagaac
1418 cacttgaaga   aaattgcgct   aaagccctga   ctttaaggat   acatgattct   ttgaataata
1478 gccttccaat   tggccttggt   cctactaatt   caacaaacac   tgtcatggac   caaaaaaatt
1538 tgaagatgtc   aactcctggc   caaatgaaag   cccaagaaat   tgaaagaacc   cctccaacaa
1598 actttaaaag   gacattagaa   gagtccaatt   ctggccccct   gatgaagaag   catagacgaa
1658 atggcttaag   tcgaagtagt   ggtgctcagc   ctgcaagtct   cccacaacc   tcacagcgaa
1718 agaactctgt   taaactcacc   atgcgacgca   gacttagggg   ccagaagaaa   attggaaatc
1778 ctttacttca   tcaacacagg   aaaactgttt   gtgtttgctg   a

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B.

**SEQ ID NO:2. Human WIP1 Polypeptide sequence:** The GenBank accession number is NM\_003620.

NH<sub>2</sub>-  
MAGLYSLGVSFSDQGGGRKYMEDVTQIVVEPEPTAEKPSPRRSLSQPLPPRPSPAALPGGEVSGKGPA  
VAAREARDPLPDAGASPAPSRCCRRRSSVAFFAVCDGHGGREAAQFAREHLWGFIKKQKGFTSSEPAKV  
CAAIRKGFLACHLANWKKLAEWPKTMTGLPSTSGTTASVVIIRGMKMYVAHVGD SGVVLGIQDDPKDDF  
VRAVEVTQDHKPELPKERERIEGLGGSVMNKS GVN RVWKRPRLT HNGPVRRSTVIDQIPFLAVARALG  
DLWSYDFFSGEFVVSPEPDTSVHTLDPQKHXYIILGSDGLWNMIPPQDAISMCQDQEEKKYL MGEHGQS  
CAKMLVNRLGRNRQRM LRAONTSAIVICISPEVDNQG NFTNEDELYLNLTDSPSYNSQETCVMTPSPC  
STPPVKSL EEDPWPRVNSKDHI PALVRSNAFSENFLEVS AEIARENVQGVVIPS KDPEPLEENCAKALT  
LRIHDSLNNSLPIGLVPTNSTNTVM DQKNLKMSTPGQMKAEIERTPPTNFKRTLEESNSGPLMKKHRR  
NGLSRSSGAQPASLP TTSQRKNSVKLTMRRLRGQKKIGNP LLHQHRTVCVC-COOH